



PURBANCHAL UNIVERSITY

GOMENDRA MULTIPLE COLLEGE

FACULTY OF SCIENCE AND TECHNOLOGY

IN PARTIAL FULFILLMENT OF THE REQUIREMENT OF BCA 4TH SEMESTER

CINEMATE (Online Movie Ticket)

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Acknowledgement

The success and completion of our project have been greatly influenced by the invaluable guidance and support extended to us by numerous individuals, without whom our journey would not have been possible. Foremost, we express our deep gratitude to the B.C.A (Bachelor of Computer Application) department of Science & Technology at **Gomendra Multiple College** in Birtamode for entrusting us with this project opportunity.

We are immensely thankful for the unwavering support and mentorship provided by our project supervisor from the B.C.A department, whose guidance has been instrumental in steering us towards success. Their wisdom and encouragement have been a constant source of inspiration throughout this endeavor.

Acknowledging that the success of any project is a collective effort, we extend our heartfelt appreciation to all the esteemed members of "Gomendra Multiple College" mentioned herein. Their contributions, assistance, and motivation have played a pivotal role in shaping the outcome of our project.

In particular, we extend our deepest gratitude to Mr. Kushal Niroula, our esteemed Project Supervisor, whose dedication and expertise have been instrumental in navigating us through the intricacies of this project. We are profoundly grateful for his invaluable insights and unwavering support, which have illuminated our path and enriched our learning experience immeasurably.

Tables of content

page no:

1. Introduction to project.....	1
2. Purpose of project.....	2
3. Features of software	3
4. System requirement.....	4
i) Hardware Requirments... ..	4
ii) Software Requirments... ..	4
5. Tech Stack.....	5
6. Team Members... ..	6
7. Conclusion.....	6
8. Reference.....	6

Introduction to project

Movie Ticketing Management System is a simple project which aim to minimize the effort put in company to maintain client information. It is a windows form GUI application written for 64-bit windows operating system which focused in the area of adding, searching, editing and deleting the details of the Movie.

The project provides a very user-friendly interface through which anybody with the basic knowledge of the computer and English language can access the system. Through it is very user friendly it does not lack proper security.

Purpose of project

The company wants to find a solution to reduce its operating costs. It is used to develop a user-friendly Movie Ticketing System using c# that simplifies the ticket booking process for customers, enhances the overall moviegoing experience, and improves operational efficiency for cinema.

Online movie ticketing platforms serve as digital gateways, revolutionizing the traditional cinema experience by seamlessly integrating convenience, accessibility, and efficiency. By enabling patrons to browse movie selections, select preferred showtimes, and secure seats from the comfort of their homes or on-the-go, these platforms transcend geographical and temporal constraints, catering to diverse schedules and preferences. The essence lies in its ability to empower moviegoers with control over their cinematic journeys, offering features such as seat selection and real-time updates.

Moreover, online ticketing fosters symbiotic relationships, benefiting theaters through data-driven insights while enriching patrons' experiences with promotions and loyalty rewards. Ultimately, the purpose of online movie ticketing is to redefine the narrative of moviegoing, amplifying enjoyment and anticipation while streamlining the entire process for all stakeholders involved.

Features of Project

Main features of our project are outlined as follows:

- i. **Account Creation:** Allow users to register by providing necessary details such as name, contact information, and address etc.
- ii. **Login System:** Implement a secure authentication system, enabling registered users to log in safely using their email or username and password.
- iii. **Online Booking:** Allow user to browse movie listing, select showtime and purchase tickets online through website or Desktop app.
- iv. **Seat selection:** Enables user to choose specific seats within the theater, often displayed on a seat chart.
- v. **Payment options:** Accept various payments methods such as credit/debit credit cards, Digital wallets, or promotional codes.
- vi. **Booking history:** Stores a history of past tickets purchases for future references or rebooking.
- vii. **Cinema information:** Displays details about the movie theater including location, amenities and parking information.
- viii. **Advance booking:** Allows user to book tickets for future dates in advance.

System requirements

i) Hardware requirements:

Processor: Opt for a multi-core processor clocked at 1.8 GHz or higher to ensure smooth handling of concurrent tasks and efficient processing power.

Memory (RAM): A minimum of 8GB RAM is recommended to support seamless operation and accommodate database operations effectively.

Operating System: The application is compatible with any OS like Mac OS, Windows, and Linux etc providing flexibility and familiarity for users across various platforms.

Storage: Allocate at least 5GB of hard drive space or more to accommodate the application files and database, ensuring ample storage capacity for smooth functioning.

Peripheral Devices: Ensure availability of necessary and basic peripheral devices such as keyboard, mouse, and display to facilitate user interaction and system operation effectively.

ii) Software requirements:

For software requirement there must be compatible software installed in the PC to conduct the program successfully. Different program requires different software installed to run according to the platform in which the developers have developed it.

- ❖ Any Operating System supports the application.
- ❖ Compiler: Visual Studio
- ❖ MySQL Database

Visual Studio: Visual Studio is an Integrated Development Environment(IDE) developed by Microsoft to develop Desktop applications, GUI(Graphical User Interface), console, web applications, mobile applications, cloud, and web services, etc. With the help of this IDE, you can create managed code as well as native code.

MySQL Database: Employ MySQL, a robust relational database management system, to efficiently store and manage application data, ensuring reliability and scalability as your project grows.

Tech Stack:

let's break down out tech stack into frontend, backend, and database components:

Frontend:

Language: C# (if we're using WPF or WinForms for GUI development).

Framework: Windows Presentation Foundation (WPF) or Windows Forms (WinForms) for creating the graphical user interface.

IDE: Visual Studio for designing, coding, and debugging the frontend components.

Backend:

Language: C#.

Framework: .NET Framework or .NET Core for building the backend logic of your application.

IDE: Visual Studio for coding and debugging the backend logic.

Server: In a desktop application context, the backend typically handles data processing, business logic, and communication with the database.

Database:

Database Management System (DBMS): SQL Server, SQLite, or another database system compatible with .NET.

Language: SQL (Structured Query Language) for managing and querying the database.

Tools: Management Studio for SQL Server, or other database management tools for your chosen DBMS.

Integration: .NET provides libraries and frameworks (like ADO.NET) for interacting with the database from your C# code.

Team Members

- 1) Sanket Timsina
- 2) Albert Poudelee
- 3) Bharat oli

Conclusion

In Conclusion, After we have completed the project we are sure the problems in the existing system would overcome the “Movie Ticket Management System” process made computerized to reduce human errors and to increase the efficiency. The main focus of this project is to reduce human efforts and to reduce the work time. The system can do fast, accurate and reliable work compared to human. Our main focus or aim of this project is to get the correct information about a costumer in lesser time. This system will be able to improve the efficiency and can reduce human stress.

References

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